

I. AMENDMENTS

Please cancel claims 1 to 4 without prejudice.

Please add the following new claims:

--5. Antibodies reactive with a substantially pure growth differentiation factor-10 (GDF-10)

Al or fragments thereof.

6. A purified antibody that binds to growth differentiation factor-10 (GDF-10) or to immunogenic fragments of GDF-10.

7. The antibody of claim 6, wherein the antibody is polyclonal.

8. The antibody of claim 6, wherein the antibody is monoclonal.

9. The antibody of claim 6, wherein said GDF-10 has an amino acid sequence as set forth in SEQ ID NO:5 or SEQ ID NO:6.

10. The antibody of claim 6, which further comprises a detectable label.

11. The antibody of claim 10, wherein the detectable label is a radioisotope, an enzyme, a fluorescent compound, a colloidal metal, a chemiluminescent compound, a phosphorescent compound, a bioluminescent compound, a metallic ion, or a paramagnetic isotope.

12. An antigen binding fragment of an antibody that binds to growth differentiation factor-10 (GDF-10) or to immunogenic fragments of GDF-10.

13. The antigen binding fragment of an antibody of claim 12, which is an Fab fragment or an F(ab')₂ fragment.

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*Cont
A1* 14. The antigen binding fragment of an antibody of claim 12, wherein said GDF-10 has an amino acid sequence as set forth in SEQ ID NO:5 or SEQ ID NO:6.

15. The antigen binding fragment of an antibody of claim 12, which further comprises a detectable label.

16. The antigen binding fragment of an antibody of claim 15, wherein the detectable label is a radioisotope, an enzyme, a fluorescent compound, a colloidal metal, a chemiluminescent compound, a phosphorescent compound, a bioluminescent compound, a metallic ion, or a paramagnetic isotope.--
